

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [9684] "C" Beacon 5154.0 khz
Message-ID: <199701240002.SAA26650@admin.inetport.com>

FWIW.... Here's another letter beacon..

Seem to hear it in the evening after sundown...

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 FL)

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [9775] 160m Contest Info?
Message-ID: <19970124.143541.7719.0.tayloe_d@juno.com>

I would like to try out my new 160m xcvr in this contest.

Could someone please send me a short summary?

Format (QRP category?) and times would be appreciated.

Thanks much!

- Dan Tayloe, KK7BD, Phoenix, Az, QRP1 #696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Jeff Casey <WB5GWB@sprynet.com>
Subject: [9721] 1st FOX: Will 40A do the deed?
Message-ID: <199701240615.WAA06469@m7.sprynet.com>

I've tried a few times in the past, but never even *seen* one of them mangey little critters until this evening. Tonight's prey, Nick, KFox2PH, lives clear on t'other side of the Island -- must be a good 15 miles from me. He was about S4 here.

The story begins with hearing my first ever *strong* local station (not Nick). You know, the kind that overloads the rx and/or splatters for a few hundred Khz up and down the band. This guy had to be within a couple miles of me, and I

have nothing against QRO, but he was running an FT-1,000,000,000 Mark MMCLXXIV transceiver and a xxKw Pyro-thermonuclear neglectomatic autocurvilinear tyrano-ultrafier into what *must* be a large enough mass of iron ore to have kept the U.S. steel industry afloat for several years beyond its predicted demise. I'm telling you, this guy was LOUD. I swear he was modulating my washing machine, but I can't figger whether it was RFI or just line voltage drop due to his hungry amp.

Naturally, whenever he transmitted up in the 40m phone band, poor Nick was obliterated. I switched in the MFJ-752C audio filter and twiddled around to no avail. Okay, so I just have to bag the fox quick when this guy turns it over. Only problem is he *doesn't* turn it over, except for a few seconds here and there. Rest of the time, he talks. Great :-(First time I see a fox and I have to bag him while being pelted by golf-ball-sized hail! Not much I can do... Watch the clock and see if Captain Brownout's filaments go before my fox does.

Thirty minutes left... Heck, while I'm waiting, might as well give the trusty Scout 555 a break and see what I can hear on the NorCal 40A . . . Well, on the Scout, at least I couldn't *understand* what Mr. Microphone was saying! Hmmm, let's see what happens when I back off the 40A's RF gain control. Wayne musta put that knob there for *some* reason... Wahooooo!!! Magic!!! When I turn down the RF gain, Mr. Megawatt goes away, but Wiley E. Milliwatt is still there! I bag the sly one within minutes (and with only 2w!). Yeeehaaaaa!!!! (as we say back in Oklahoma)

Lesson learned: This RF gain control biz is Cool! Used to have one on my old Swan 350, but never really tried backing it off. Why doesn't every radio have wanna them doodads?

Moral: Simple lessons learned the hard way are best :-)

Congrats on a great job tonight Nick! The band was pretty putrid, but you were pulling in guys I couldn't even hear. Must be cuz you're closer to 'em over on that far side of the Island :-)

Now, pardon me while I bask in the afterglow of my accomplishment. Uh oh, is that really afterglow I'm feeling?
Why is my hair standing up??

72,
Jeff

Jeff T. Casey / WB5GWB / Long Island, NY
ARCI ARRL ARS LIQRP NorCal QRP-L

Obligatory Shameless Plug: Contact me for info on the Long Island QRP Club.
Next get-together Sat., Feb. 15, 11:00 am.

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Brian K. Shiratsuki" <bks@bks.com>
Subject: [9719] 38 Special Boosts Self Esteem
Message-ID: <3.0.32.19970123215439.00961830@bks.com>

i have a history checkered with abortive amateur radio projects:

ordered ``board only'' version of neophyte 40M receiver. assembled board, never troubled to find off-board parts.

ordered 4 sets of parts to build two transistor 40M transmitters (more reasonable prices at this quantity). gave one ``kit'' away, which turned into a working transmitter. still have 3 sets of parts!

purchased hw-9 in working condition with sloppy reduction drive. ordered reduction drive from heath, sheared off threads by overtightening. ordered second drive from heath; it slips more than the original. ordered third ball drive from dan's; not installed yet.

purchased complete kit for 20M superhet with 4 pole crystal filter and audio filter from radiokit. assembled board, machined box, had great difficulty mounting things in the box because of the stiff ``buss wire'' to the vfo capacitor. i heard a signal sounding vaguely like wwv from this rig, but not much else.

hence i've built possibly working parts of radios, caused other people to build radios, broken radios built by other people, and built radios that function as bad radios for the wrong frequency. so this monday, i tack a random piece of wire to pad #1 of the freshly stuffed, briefly inspected 38S board, max the rf gain and hit the power switch. some clicking at power-on, but otherwise, tuning across the band, dead. fiddled with the two pots, and realized that my understanding of which end of a pot is the low one was upside-down compared to the manual's author; hence rf gain was at minimum.

after really putting the rf gain at max, i heard noise, then signals! rtty, and nf0?/m calling cq. so it sounds like my 38S is at least halfway successful--i do not have anything to load up to try the transmit side yet. once the rainbow arrives, maybe i will. or maybe assembling a working antenna tuner will take several tries ;-).

btw, does TC1 complete a cycle in capacitance at 360 degrees? i did not notice a second, smaller signal in peaking this trimmer.

brian
n6sxt

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [9706] 38 Special Posts
Message-ID: <199701240324.VAA19060@Spacestar.Net>

Hey, what happened to the 38S chatter??? I miss it. What's happening with your kits today? Anybody come up with a new mod or piece of advice. I want to here about it. I was hoping mine would show up today. I know it shipped Saturday, guess it takes a week to get to Minneapolis.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
Ask me about the Minnesota QRP Society.

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "SDULANEY" <sdulaney@ccmail.dsccc.com>
Subject: [9780] 38s Mods parts list
Message-ID: <9700248541.AA854156081@ccmail.dsccc.com>

Since I am waiting on My 38s. To make long request short, could someone post a list of all of the parts I need to acquire. I need to know what parts don't come with the board, what parts do I need for the 5W mod and the extra parts for the TiCK.

Thanks
Steve
KC5FFK

P.S. This project has convinced me to learn CW and upgrade.

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: kb9kol@juno.com (William J. Nickrand)
Subject: [9739] 38S Rcvr Problem
Message-ID: <19970123.195955.13863.0.KB9KOL@juno.com>

My 38S has an oscillation heard in recieve mode-a high pitch whine louder

that the underlying "white noise" you'd expect to hear on a dead band. Transmitter seems to be working fine. No solder bridges or bad solder joints apparent. Anyone have any ideas?

KB9KOL Newburgh IN---BILL NICKRAND----WORK IN PROGRESS

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Serge Bertruzzo <103226.3635@compuserve.com>
Subject: [9750] 49er for sale
Message-ID: <970124171454_103226.3635_IHF89-1@CompuServe.COM>

I have an unbuilt 49er for sale. I just do not have the time to build it. Seems like a waste to hold on to it...

I would like to get my \$25 plus whatever postage will be.

Let me know....72/73 Serge - VA3SB

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Serge Bertruzzo <103226.3635@compuserve.com>
Subject: [9764] 49er has been sold.
Message-ID: <970124193938_103226.3635_IHF76-6@CompuServe.COM>

I will keep all the responses from all of you who have responded on file until the sale has been finalized otherwise, I will make my way down the list.

Thanks to all....

Serge VA3SB

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Laura" <sputnik@imt.net>
Subject: [9686] 80M freq for FSFD
Message-ID: <199701240022.RAA16905@cu.imt.net>

In choosing a frequency for the 80M sched for FSFD, I was trying to pick a frequency close to the QRP calling frequency without being on top of it. Since I don't often work 80 and it seems the freq I picked is in conflict,

could someone tell me from where would be a good place to call? I'll post the new freq on the list. Thanks for the help.

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Rick Sealey <rsealey@InfoAve.Net>
Subject: [9718] AA Lithium Batteries
Message-ID: <1.5.4.32.19970124053633.00a4e670@mail.infoave.net>

Howdy all!

There's been some posts regarding lithium AA batts, so I thought I'd share my experiences.

I've got two devices I use these batts (specifically Energizer) in; an HP 200LX Palmtop Computer and a Sony ICF7600G SW portable radio (excellent value in a portable, by the way.)

The 200LX:

Uses (2) AA batteries (also a 3v lithium flat cell secondary battery for backup when changing the main batteries.) I use a PCMCIA card flash disk (solid state disk drive that requires no power to maintain its memory, but uses a lot of current for read and write operations), and an occasional RS-232 connection.

- Alkalines - 4-6 weeks of use.
- HD nicads (850mah) - 1 week between charges
- Lithium - well, I marked the date of installation and the no-load voltage on the batteries - 12 Aug 96, 1.78v and they are still in there! Today's voltage is 1.50 ... after nearly six months.

The 7600G:

Uses (4) AA batteries. My use averages 3-5 hours per week, and the batts keep the clock and memory up all the time.

- Alkalines - 4-6 weeks.
- Lithium - Here we go again. The batteries were installed on 2 Aug 96. Today's rest-voltage is 1.42. The Sony's low battery indicator comes on at about 4 volts (1v per batt no-load), so I've still got a ways to go.

While the discharge curve for lithium batteries is more abrupt than alkalines, and the no-load voltage won't necessarily indicate impending

doom, they are excellent in these applications. But I don't think even these can hold a candle to that lithium powered Nikon!

Rick - KI4PZ

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: jlarsen@alascom.att.com
Subject: [9772] AL7FS Clarification - Alaska
Message-ID: <9700248541.AA854131278@mailrouter.alascom.att.com>

Do I really need to copy power or QRP-L on FSFD?

I really don't want to. It is a lot of extra work and does nothing to enhance the QSLability (nice word) of the QS0.

I will confirm QSL on RST alone.
(When I was on EME (WAS #36 2 mtr) as WA0LPK, we only used "0". I am a simple person.)

Name and state are good.

but (for me) not qrp-l numbers or power.

Gosh, I hope I haven't upset the applecart.

Best wishes for tomorrow,

Jim
AL7FS

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: jlarsen@alascom.att.com
Subject: [9704] Alaska QRP Club and FSFD
Message-ID: <9700238540.AA854072058@mailrouter.alascom.att.com>

Someone on the list reminded me of an obscure rule for FSFD.

Rule 18c: If a state has a QRP Club or if that state is in a Regional Club, the Club member number must be substituted for RST or the contact is not allowable for QSL.

This seems a bit severe.....but I know all of you have an Alaska QRP Club

Number. Right?

Ahhh,.... just having fun. We will use RST, S/P/C, Name. I will run 5 watts and will not state it in the exchange.

How do you do a smiley face with a tongue-in-cheek. :-') Does that work?

Or does it look like I need a handkerchief? :-)

73,

Jim
AL7FS
Alaska
larsennc@alaska.net

ps. I am excited about Saturday...can you tell?

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [9720] Az - Thursday Night Fox
Message-ID: <19970123.225721.7119.1.tayloe_d@juno.com>

Well, it looks like this was a no show here tonight. I checked with Floyd NQ7X and Joe AB7TT and no fox for any of us.

That band was really noisy here. Exceptionally lousy conditions. Floyd heard the Fox once and tried calling, but the fox didn't respond and faded out for good.

Oh well.....

At least I worked Jim, N0UR in the FSFD on 40m earlier.

- Dan Tayloe, KK7BD, Phoenix, AZ, QRPL # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Larry Gagnon <lgg@ampolexusa.com>

Subject: [9744] Building a Wilderness Radio Sierra: difficult?
Message-ID: <1.5.4.32.19970124161858.00676cdc@webster.ampolexusa.com>

I've just started QRP by tuning down my IC-735 to 4 watts out to a G5RV.
First QSO a K4 second QSO LU8!! Much more thrilling and challenging than 100
watts!.

However, ultimately I want to backpack with a CW rig and have decided on the
Sierra. Has anyone built them? If so, I would appreciate comments as to
difficulty, problems, whether test equipment is necessary etc. I have built
very simple kits before but this may be a bit daunting!!??

73's Larry VE6TN/W0

Larry G. Gagnon, Senior Explorationist,
Ampolex USA Inc. 1050-17th st Suite 2500, Denver CO 80265 USA
tel 1-303-595-9000 fax 1-303-595-0110 email lgg@ampolexusa.com

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: wylde@nccn.net (Grover, K7TP)
Subject: [9748] Condx are tuff from the Left Coast
Message-ID: <v02130502af0e9e8160e2@[205.139.74.173]>

I listen and listen. I even stayed home from work today to get W. Virginia
but I am hearing nothing. Nada! Even the qro stations from the east are
very weak. Mother nature is being cruel.

Grover
K7TP

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [9697] CQC Last Minute Invitation
Message-ID: <32E81918.5745@mtechnologies.com>

Just a quick note to remind everyone who is either convenient to Denver
or might be in the area, the CQC dinner is Saturday the 25th, 6 pm at
Grisanti's Restaurant near Peoria and Iliff in Aurora. Cost is \$15 per

person for an all you can eat family style dinner. We WILL be able to offer seating to people who show up without reservations, so please come even if it only becomes possible at the last minute.

Dinner will be followed by an "awards meeting" and a program by member Steve, N0BF.

It will be a lot of fun, and there will be some "door prizes," unfortunately we have only been able to come up with prizes worth an aggregate of just over \$900 [g] and I don't think that counts some special prizes for YL's.

For more info call Rich High, W0HEP on (303) 366-3114, or check out the web site (which has a map of the restaurant location):

Surf to <http://www.mtechnologies.com/mthome> and look for the CQC logo near the bottom of the page.

73
Marshall Emm
AA0XI
VP CQC

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [9702] Dec. QRPp - GREAT JOB!
Message-ID: <199701240258.TAA01794@kitsune.swcp.com>

Hello Everybody,

I just wanted to thank the folks at NorCal, and the authors who put together such a fine QRPp issue for December! Lot's of great articles. I'm looking foward to the next one!

38 Special application is in the mail...can't wait to put that puppy on the air! Having a heck of a time with VK0IR...school and track is taking up all my radio time, but they, of course, comes first!

72,
Brian, N5ZGT

Eagle Scout (12-6-96) ARRL QRP: NorCal# 1700 QRP-L# 580
JASM - Troop 41 Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M. Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM
O.A. Lodge 66 <-W-W-W-<< Internet: n5zgt@swcp.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9696] FAQ- way to have more air time
Message-ID: <n1358072820.57170@msmailgw1.arlut.utexas.edu>

Todays digest just scanned, parsed and put away into archives.

153Kbytes. (At 100 messages), but I could be on the air chasing the fox now,
but for some who still uselessly repeat a message with their reply. I really
like to see what EVERYONE has to say as a courtesy.

Please, gang, turn off the automatic repeat function of your mailer.

Use keywords referencing a reply and the postings will be more meaningful and
enjoyable to all. Note the elegant simplicity of Chuck's
sig line as well! 72, Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9774] Final Fox Log
Message-ID: <32E92A1D.36EF@bnl.gov>

00PS! Blew another one - sorry. This is the last log posting.

	TIME	CALL	RST	NAME	STATE	QRP-L# / PWR	
1	0203	KE4YH	579/559	STEW	FL	590	
2	0209	N9DD	449/239	TOM	IN	32	
3	0210	W5FN	559/359	TIM	TX	586	
4	0219	N4PA	559/579	BETTY	FL		QRO
5	0230	N6XU	? /259	STAN	CA	66	
6	0245	AB5OU	329/459	TIM	NM	73	
7	0248	KA5T	459/559	LARRY	TX	89	
8	0251	N4SO	449/459	KEN	AL	622	
9	0255	KK5RO	229/559	VERNON	OK	325	
10	0259	WJ4P	539/359	RANDY	SC	296	
11	0302	AB5UA	559/459	CLIF	OK	478	

12	0305	N5LU	449/359	BILL	OK		5W
13	0315	WB0CGH	559/259	BRAD	TX	377	
14	0317	VE3JC	559/259	JOHN	ONT	744	
15	0320	KE4WQH	559/259	MIKE	FL	887	
16	0322	AC8W	569/569	STAN	MI	906	
17	0340	K5ONF	459/569	ROB	TX		10W
18	0348	WB5GWB	449/259	JEFF	NY	608	
19	0350	KC40	339/259	ROY	KY	322	
20	0354	N2VQK	359/359	MARK	NY	314	

72,
Nick - KFP2H . .

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Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "William R. Colbert" <v31xe@dzn.com>
Subject: [9711] fox
Message-ID: <32E852A5.5D47@dzn.com>

Well, Nick was heard out in Far West Texas (almost) but just could not keep the digi junk out of my filter long enough to try. Had one come up on 7038 when Nick was about 7039, then when he changed to 7042, guess what! there is another digi zeroing in. Hope it was not on purpose, but it sure seemed like it. Next time, Nick. Couldn't tell, but I hope you had a good run. 219 out west.
Ray.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [9701] fox at 7.037
Message-ID: <32E8227B.682A@harksystems.com>

Tim et al,

he's at 7.037 0249Z

--

73, Randy WJ4P

QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: AlexQRP@aol.com

Subject: [9728] Fox heard only

Message-ID: <970123231500_980966314@emout14.mail.aol.com>

well I heard that crafty critter here in Dallas just below 037 at a gud 559 but he didnt hear me, lost him in the QSB. Then heard him agn working K5ONF but the foxy thing was only 339(?) maybe 119 wud be more realistic!!!

Maybe the delta loop cut for 40 and oriented NE aint doin so gud!! Time between sightings was approx 1 hour. Oh well theres always another time.....and another fox.

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Nick Franco <kf2ph@bnl.gov>

Subject: [9761] FOX Log 1/24/97 UTC

Message-ID: <32E90A80.5F17@bnl.gov>

Hi Hunters and QRP-L brethren,

Here's my log from last night's Fox Hunt. Condx were horrible (yeah that's it), horrible. I only managed to pull in 20 contacts and one was QRO. I think I'm still hearing the "S" beacon everywhere I go today :-)

	TIME	CALL	RST	NAME	STATE	QRP-L#	/	PWR
1	0203	KE4YH	579/559	STEW	FL	590		
2	0209	N9DD	449/239	TOM	IN	32		
3	0210	W5FN	559/359	TIM	TX	586		
4	0219	N4PA	559/579	BETTY	FL			QRO
5	0230	N6XU ?	/259	STAN	CA	66		
6	0245	AB5OU	329/459	TIM	NM	73		
7	0248	KA5T	459/559	LARRY	TX	89		
8	0251	N4SO	449/459	KEN	AL	622		
9	0255	KK5RO	229/559	VERNON	TX	325		
10	0259	WJ4P	539/359	RANDY	SC	296		
11	0302	AB5UA	559/459	CLIF	OK	478		
12	0305	N5LU	449/359	BILL	OK	5W		
13	0315	WB0CGH	559/259	BRAD	TX	377		
14	0317	VE3JC	559/259	JOHN	ONT	744		
15	0320	KE4WQH	559/259	MIKE	CT	595		

16	0322 AC8W 569/569	STAN MI	906	
17	0340 K5ONF 459/569	ROB TX		10W
18	0348 WB5GWB 449/259	JEFF NY	608	
19	0350 KC40 339/259	ROY KY	322	
20	0354 N2VQK 359/359	MARK NY	314	

So there it is. Notice all the dead space between contacts. I was calling CQ forever and couldn't hear anyone. I started moving around a little but it was still tough. I also tried the AA4XX drift method. Each time I called CQ twice and then moved up one or two hundred Hz and call again. I covered from 7.036.5 to 7.039.9 that way and back down veering left and right to avoid collisions from QR0, RTTY and phone. Then I moved up to 7.042 or the last couple of minutes. I used my Icom 728 and the Bitternut HF6V. The NW40 was just too sensitive and noisy without the AF and too quiet with it. I realized that my Icom doesn't have an RF gain control. My SW-30 is better at eliminating hi power noise than an IC-728.

Thanks all for trying,
72,
Nick - KFox2PH

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Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9770] Fox Log Correction
Message-ID: <32E91E0A.4650@bnl.gov>

Sorry guys, I made a typo on KK5R0. I logged it as OK but type the email as TX. Wouldn't want the Ca crowd to think I'm tiltin' the scales. My original post last night said 4 TX contacts vs 1 CA and so it is.

	TIME	CALL	RST	NAME	STATE	QRP-L# / PWR
1	0203	KE4YH	579/559	STEW	FL	590
2	0209	N9DD	449/239	TOM	IN	32
3	0210	W5FN	559/359	TIM	TX	586

4	0219	N4PA	559/579	BETTY	FL		QRO
5	0230	N6XU	? /259	STAN	CA	66	
6	0245	AB5OU	329/459	TIM	NM	73	
7	0248	KA5T	459/559	LARRY	TX	89	
8	0251	N4SO	449/459	KEN	AL	622	
9	0255	KK5RO	229/559	VERNON	OK	325	
10	0259	WJ4P	539/359	RANDY	SC	296	
11	0302	AB5UA	559/459	CLIF	OK	478	
12	0305	N5LU	449/359	BILL	OK		5W
13	0315	WB0CGH	559/259	BRAD	TX	377	
14	0317	VE3JC	559/259	JOHN	ONT	744	
15	0320	KE4WQH	559/259	MIKE	CT	595	
16	0322	AC8W	569/569	STAN	MI	906	
17	0340	K5ONF	459/569	ROB	TX		10W
18	0348	WB5GWB	449/259	JEFF	NY	608	
19	0350	KC4O	339/259	ROY	KY	322	
20	0354	N2VQK	359/359	MARK	NY	314	

72,
Nick - KFP2H . .

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9755] Fox reception in CA
Message-ID: <199701241808.MAA06698@multi13.netcomi.com>

Nick --

Heard your signal in there on the QSB peaks. Probably got enough pieces to put together one complete report, but never had good enough copy to justify a call. I just need about 6 dB more...

Didn't hear too many hunters, either.

Did manage to snag FSFD, though, so the evening was successful.

Mike K1MG
Saratoga, CA

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [9714] FOX report
Message-ID: <M1249615.002.hwd41.1.970124042703Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/

PRMD=MOT/ADMD=MOT/C=US/@MHS>

Nick, sorry to say I couldn't hear you. Couldn't hear anyone calling you either out here on the left coast. Conditions just not up to the task.
Hope you had a good evening. Being a FOX is a blast.
Hope to work you one day.
72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [9694] Fox: 1/29 first notice
Message-ID: <199701240127.UAA04566@mh004.infi.net>

Fox hunters:

I'll be the Fox January 29 at 0100-0300 UTC. For the Chronographically Challenged, that means Tuesday evening, January 28 at 8:00-10:00 PM EST.

My plan is to operate at about 7.036. Based on the Fox hunting I've been doing, I'll have to be that low to avoid the QRM/QRN. If that Freq is tied up, I'll try to move up slightly. The early time is a distinct disadvantage for you left coasters. Sorry 'bout that. It's an advantage for the east coast, and I expect to hear from all of you!
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. - Benny Hill

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Jim NOUR <LAGESON@worldnet.att.net>
Subject: [9716] FS-49'r,built
Message-ID: <19970124025034.AAA21448@LOCALNAME>

I bought and built the 49'r kit, but can see I'm not going to go any further with it. It's just the board with no enclosure. Works fine, I've had a dozen QSO's with it. Not sure what to ask, but would like to get at least what I paid, \$25. Make me a offer.

Jim NOUR

QRP1 #799

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Randy Kaufman <krandy@hubcap.clemson.edu>
Subject: [9743] FS: HW-7 & power supply
Message-ID: <199701241602.LAA31805@hubcap.clemson.edu>

Gang,

I've got a working HW-7, with matching power supply for sale. Cosmetically it's good, one knob not original. Significant dial flaking. Paint is very good. No external mods. Has the 'anti-thump' mod, and the sidetone reduction mod. Includes manual.

Works fine. Well, as good as any HW-7 works!

\$65 + shipping.

73 Randy

```
+-----+
Randy Kaufman      WD4LUJ      QRP-L #776
krandy@hubcap.clemson.edu
"... playin' jester to the clown, ..."
+-----+
```

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: kirk2@cloudnet.com (Kirk A. Kleinschmidt)
Subject: [9776] FS: Unbuilt W9GR DSP II kit
Message-ID: <199701242200.QAA04397@antares.cloudnet.com>

Hi!

I'm selling my unbuilt W9GR DSP II DSP-box kit. It's the SECOND version designed by DSP weenie extraordinaire Dave Hershberger, W9GR.

Features: Power switch; mode switch; LED bargraph display; 1/4-inch stereo/mono headphone/audio jacks; audio gain; filter in/out switch.

DSP filters: SSB de-noiser/automatic notcher combo; SSB optimized de-noiser; SSB optimized auto notcher; SSB weak-signal auto notcher; 200-Hz bandpass; 100-Hz bandpass; 30-Hz bandpass; HF packet bandpass; RTTY bandpass; SSTV bandpass.

Runs on 12 V @ 250 mA.

High-quality kit contains all parts, manuals and circuit board. ENCLOSURE NOT INCLUDED.

I bought this at a recent hamfest for \$125. The kit sold for almost \$300 a year or so ago. THIS UNIT STILL PERFORMS WELL.

Price: \$99, I pay insured shipping.

Because I own a small business I can accept VISA/MC, which is my preferred way to transact via the net.

Please send e-mail or call 320-202-1936.

--Kirk A. Kleinschmidt, NT0Z
QST Assistant Managing Ed 1988-1994

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Laurent C. Lafond" <ke1ex@ids.net>
Subject: [9705] FSFD
Message-ID: <32E82951.75D9@ids.net>

Hi Gang -

Just returned from an extended vacation, sans radio es computer, and see that you have something going.....as usual.

Do these contacts furnish QSL cards upon receipt of a SASE?

Gonna try anyway, but it would be nice for my WAS.

tk's es 72,

Laurent AA1QJ (RI)
ke1ex@ids.net

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Laura" <sputnik@imt.net>
Subject: [9747] FSFD Montana Update
Message-ID: <199701241645.JAA22948@cu.imt.net>

Here is the new schedule for MONTANA. Sorry for the changes, just trying to take care of the needs of as many people as possible! The only change is in the frequency on 80 meters. Jim will post the official new schedule as well. Note that in the event 80 doesn't work out, I'll remain on the 20 meter freq.

Jan. 26 Sunday MONTANA KJ7UN, Laura

1600-1700 UTC 7.045 (40M)

1700-1800 UTC 10.110 (30M)

1800-1900 UTC 28.116 (10M)

1900-2000 UTC 21.121 (15M)

2000-2100 UTC 14.058 (20M)

2100-2200UTC 3556 (80M)

If after trying 10M and 15M the bands aren't cooperating, I will be on 20M instead of the 10M schedule and 40M instead of the 15M schedule at the freqs listed above.

If 3556 (80M) yields few contacts, I will return to 20 meters.

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA

sputnik@imt.net <http://www.imt.net/~sputnik>

GHRC / ARRL / NORCAL / 10-10#68896 / FISTS#2785 / MARC / QRP-L#790

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: GREGOIRE@endor.com

Subject: [9732] FSFD WEST VIRGINIA

Message-ID: <Chameleon.970124080410.GREGOIRE@Gregoire.endor.com>

Hello Gang,

I just worked Tom, on 3.564.3, he followed that up by working a couple of other stations. The Freq. is clear now.

Go get em!!

de AA1IK, Lead by example.

Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,

Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/24/97 08:01:35

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [9717] FSFD: MN Summary
Message-ID: <970124052501_70511.3041_IHD64-3@CompuServe.COM>

Gang:

What a great experience, representing MN in FSFD today. Thanks to all who stopped by The Land of Ten Thousand Lakes! I have spent over a week at Lake Woebegone with the worse case of flu in my life. But the run today was great fun, and worth getting out of bed for. Hope everyone had as much fun as I did.

Here is the log as I recorded it. Please send corrections you may have:

UTC TIME	CALL	RST	BAND	STATE	NAME	PWR
=====	=====	=====	=====	=====	=====	=====
2045	W2DLP/4	599/569	20	FL	Bill	???
2053	WA1QVM	339/339	20	MA	Joel	4W
2206	K4WZ	439/569	40	GA	Ron	5W
2212	AC5AM	449/449	40	LA	Bob	4W
2221	VE3JC	559/559	40	ON	John	5W
2305	N4BP	349/559	40	FL	Bob	5W
2308	K3QIO	549/549	40	DE	Jim	5W
2324	W1ME	559/449	40	ME	George	2W
2334	WA1QVM	339/449	40	MA	Joel	5W
2338	KA5T	449/569	40	TX	Larry	5W
2340	K4NK	559/559	40	SC	Les	4W
2352	W4ED	559/579	40	GA	Bob	5W

(Below QSO's on 1/24/97)

0011	KU7Y	339/439	40	NV	Ron	5W
0024	AA1MY	339/559	40	CT	Seab	???
0053	AF5Z	569/589	40	TX	Bob	4W
0215	KE5IR	449/549	40	TX	Ron	5W

0218	AB5UA	559/559	40	OK	Clif	2W
0221	N6WG	339/549	40	CA	Bob	5W
0227	K1MG	339/549	40	CA	Mike	5W
0230	KK5RO	559/569	40	OK	Vernon	5W
0235	NU4N	559/559	40	KY	Dave	5W
0239	N8GR	559/549	40	OH	Gary	5W
0248	N5LU	579/579	40	OK	Bill	5W
0309	N4BP	-----Sorry, OM, guess QSB got you...				
0311	WD9CTB	549/549	40	IN	Jerry	4W
0356	KJ5VW	559/559	40	TX	Gary	3W

Hope the log is reasonably accurate. The first RST listed is the one I received. Looks we had a pretty good spread across the continent. There were no Novice/Tech+ responses.

Equipment was a TenTec ARG0 556 at 5 watts through an MFJ-989C tuner into an Antennas West TNT/2 Windom at 27 feet, oriented E-W.

Here's hoping I did not miss anyone. If so, let me know. Also, if you were unable to meet today's sked, I am open to trying to set up a one-on-one QSO (any band except 80 metres).

TKS agn es 72/73,
--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

Mailing address for QSL cards:

W. D.(Doc) Lindsey
MWBC
519 16th St SE
Rochester, MN 55904

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: David.Reid@asm1.nl (David Reid)
Subject: [9730] Getting the 38S into Europe
Message-ID: <199701241218.NAA04829@wspub002.asm1.nl>

Hi guys,

well all this talk of the 38S - and a visit to NorCal pages recently has got me interested in the 38Special - looks good and fun.

But, I think what we need is to get a bunch of guys in Europe together

and place a bulk-order into Europe somewhere - then distribute it from this end - it will save loads of postage and packing on the boys.

So, my question is - are there a lot of guys in Europe who want a 38S and maybe we can all get together and sort out a group buy for a bundle of these kits ????

Imaging 38S - 38S US to EU - must be worth a gold plaque or summat...HI

Dave

PA3HBB G0BZF

(currently working in PA-Land)

(Home QTH Chertsey,Surrey in England)

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: "Marshall G. Emm" <mgemm@mtechnologies.com>

Subject: [9687] Island Memory Keyer Kit Review

Message-ID: <32E800A8.BCC@mtechnologies.com>

Phil Sikes' (KJ7NS) unsolicited review of the Island keyer kit has been posted on the web site.

Point your browser to <http://www.mtechnologies.com/mthome> and look for the Kits link at the bottom of the page, or e-mail me for a copy of the review.

73

Marshall

AA0XI

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Mike Duke <gmduke@oscar.teclink.net>

Subject: [9731] K5XU for MS FSFD

Message-ID: <Pine.GS0.3.95.970124065855.28844B-100000@oscar.teclink.net>

I'm ready for tonight, if I can get rid of the thunderstorms this morning.

If the band is too bad, I'll try tomorrow, same time.

I'll also check 20 randomly during the day tomorrow as my schedule of chores for mom permits.

Plan to use my HW8.

Let's have fun!

73, de K5XU

Mike Duke,
Jackson, MS

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: lbbarley@feist.com (Bruce Barley)
Subject: [9783] Kansas FSFD - KB0PZD Report
Message-ID: <199701242348.RAA27202@wichita.fn.net>

>From near the buckle of the Wheat Belt, and an exurb of the Air Capital of the World, here is my summary of stations worked during my part of the FSFD activities - 01/21

14.060 mc. +/- Had to work around the edges of some QRO RTTY. Band here was really noisy until about 2045 when in the course of about 30 seconds, it dropped off til I thought my antenna had come down, or someone had pinned the coax! Over the next 30 min, 20m slowly came back, but not like it had been previously. Dennis: I was copying your sigs not so much by the side tone in my Century/21, as by the change in background noise corresponding to your keying. Glad we were able to make the contact, and I'll be looking for your QSL... this one is a keeper. Hated to be so stingy with my RST, but that is really where you were!

W8CB/6	-	Larry	Ca.	359	
N4BP	-	Bob	Fl	559	5W
N0UR	-	Jim	Mn	239	
AB7JK		Kim	Ks	559	
WA20CG/7	Mike	Wa	349	2W	
WA2IMN		Max	NJ	339	
K6JI		Dennis	Ca	129	5W
WA0UIG		Russ	Ia	549	4W
KE6QR		Gary	Ca	589	QRO

7.040 mc +/- Got a first hand demonstration of Grey Line Propagation! My turn on 40m was from 2300z - 0100z which put me operating through local sunset. Central/South American SSB was in here S9+ for about 1/2 hour or so

and really complicated things. This in addition to the usual "just got off work" bunch firing up on 7040. You could set your clock by it. About 5 min into each 1/2 hour period, I noticed a definite increase in QRM, with stations stacking up on top of each other, and everybody calling CQ! Was anyone LISTENING? Sounded like everybody was too busy SENDING. Hi! Hi! Making life even more interesting was an XE2 QRO calling CQ right on top of me for a while. With the resulting commotion, I just said, "Oh, well" and QSY'd. I'm working from a home-brew ground mounted vertical (vintage 7-up bottle for an insulator), and with the exception of Bob - KI7MN (what are you doing different?) , and Howard in Michigan (still to the east), everyone I worked was south and east of my QTH (just north of Wichita, Ks.) It just must radiate better from the dark side of the antenna. Hi!

K4NK	Les	NC	349	4W	
N4BP	Bob	Fl	559	5W	
KA5T	Larry	Tx	449	5W	
AE4JA	Louis	Al			SSB QRM cut this one short
K5ID	Ken	Ar	439	5W	
W9KI	Howard	Mi	239		SSB QRM
KC40	Roy	Ky	139		
AC5AM	Bob	La	239	4W	
KI7MN	Bob	Az	339	5W	

I had to QRT at 0100z to get off to work, but WA0EAF was scheduled to keep up the coverage on 40m until about 0300z or so. Have not heard from Gary or from his son, but I hope everyone who wanted/needed a Kansas QSO got theirs. Plus, John - KG0MG was going to provide coverage on 80m for the late-nite ops.

Best wishes for your QRP-WAS.

Bruce Barley KB0PZD qrp-l #69
lbbarley@feist.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9765] Latest Web Site additions
Message-ID: <854131811.620395.0@gqrpclub.demon.co.uk>

LATEST ADDITIONS:

SM0VPO's mini HF antenna (<http://www.gqrpclub.demon.co.uk/smallant.htm>)
JM3WUD's Small Wonder Transceiver
(<http://www.gqrpclub.demon.co.uk/jm3wud.htm>)

The LDG ATU (pic) (<http://www.gqrpclub.demon.co.uk/ldg.htm>)

Regards...

---72/3---Frank G3YCC G QRP 042

QTHR (Kirk Ella, East Yorkshire)

QRP Web sites: <http://www.gqrpclub.demon.co.uk>

<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Larry Braden <lbraden@mail.utexas.edu>

Subject: [9736] Lead Acid Batteries

Message-ID: <103010d04af0da3979525@[128.83.180.63]>

Does anyone know the charging requirements, off-hand, of the little sealed 12v lead acid batteries used in consumer electronics? I am interested in what it takes to properly maintain their current handling capability.

Thanks,

Larry Braden

KC5CWG

Larry Braden

Phone: 471-4123 Fax: 471-4025 E-Mail: lbraden@mail.utexas.edu

University of Texas at Austin Dept. of Germanic Languages

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: dcscott@us.ibm.com

Subject: [9758] Marine Antenna Question

Message-ID: <5030100003814077000002*@MHS>

Classification:

Prologue: Dale C. Scott

IBM -- Engineering Technology Solutions

(206) 587-2784 8/277-2784

Epilogue: Internet: (work) dcscott@us.ibm.com

(home) dcscott@ibm.net

OV/VM: dcscott@ibmusm52

As I sat sniffing the solder fumes coming up from my NC38SP board last night I got to thinking "sure would like to take this out on the boat". My wife and I have taken a time-share lease on a boat which we plan on using to cruise around the San Juan islands. Because I don't own the boat I can't attach anything permanent to it or alter it in any way. Thus my question, What would be a good choice for an antenna for the 38 Special that could be used on a power boat? Also, for a counterpoise can I simply throw a wire into the saltwater? Thanks for your thoughts!!!!!!

72/73 de kc7khd/dale

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [9742] Miniature Quads
Message-ID: <v02130508af0e253723fe@[192.31.66.229]>

Joel - I guess you want to tempt fates and cheat the weather Gods by miniaturizing your quad. For some reason these Gods like to pick on Quad owners;

"I am in Maine where the weather has no respect for man or beast and I am still thinking of a quad antenna.

"Question"

How short, can I make the sides (say for 14.060 MHz) and still expect it to work?

About how much loss should I expect?"

There is a venerable English design for a compact 20 M Quad that is 10 feet or 12 feet on a side. I forget the author's call, but it is in Moxon's book "HF Antennas for All Locations", the RSGB book "HF Antenna Collection" (I am not sure that is the correct title, but it is a collection of HF antenna articles from RadComm, the RSGB house organ), and I think it is also in Hawker's "Amateur Radio Techniques". I am working from memory, my copies of these books are at home.

The quad loop is capacitively loaded by parallel wires connected to the center of the sides of the loop. For a loop 12 feet square the wires are 12 feet long, for a 10 foot square loop they are still 12 feet long, but the extra length is folded along the diagonal.

Expected losses for this compact quad from a full size quad are probably on the order of 1 dB or so. This may not be noticeable. The bandwidth will be narrower as well, and will be noticeable if you wish to work both CW and phone. Some of the bandwidth can be recovered by bringing feeders from both the director and reflector into the shack, and tuning the reflector for optimum gain or optimum front to back ratio at the operating frequency.

This may exacerbate your icing problems though.

I don't think that you want to go much below 10 feet square for a 20 M beam or losses will increase.

Maybe Laura or some of our "G" members can remember the author of this antenna and shed more light on the subject. - Duffey KK6MC/5

James R. Duffey
Principal Scientist
Maxwell Technologies Incorporated/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

(505) 764-3143
(505) 843-7995 (FAX)

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: k5gq@juno.com (C M Tyler)
Subject: [9688] Need information - Field & Strength with toroid
Message-ID: <19970123.183341.3678.2.k5gq@juno.com>

Am looking for the plans on a Field & Strength meter to use for the HF mobile rig.

I have a Autek antenna analyzer. But need to make improvements on how the antenna radiates.

72

QRP-L 794

Mark K5GQ
Houston TX

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Stephen Krosner <skrosner@mindspring.com>

Subject: [9778] New technology Batteries

Message-ID: <3.0.32.19970124175559.0068ef18@mindspring.com>

First the legal stuff...I do not have any fiduciary interest in the following company but the technology looks real interesting!

I was reading a new mag that drifted in my office today called "Portable Design" and ran across an article on a Thin Film Metal (TFM) technology battery. The Company is planning to manufacture 2.1 volt cells using this technology and claim that a 12 volt battery (6 cells) will weigh just over a pound and will crank a truck about 20 times. It is recyclable and they are designing a 10-15 minute pulse charger. The discharge curves they show for a 1A discharge looks a lot like the curve for a NiCd cell offset by the higher voltage, however, the TFM cell does not seem to have the initial dip as you start to discharge.

The specs in the article are 500 cycles, 2.1 volts 1.2 AH with an energy density of 84W-hr/l. Shelf life is 18 months and internal impedance is 1.7 milliohms. The company is Bolder Technologies, Wheat Ridge, CO.

Again..This is just a summary of an article. I didn't make any test runs (yet).

72, Steve K2ZPF

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: adams@chuck.dallas.sgi.com (Chuck Adams)

Subject: [9763] NORTEX meeting Feb 1

Message-ID: <199701241917.TAA05766@chuck.dallas.sgi.com>

Gang,

This is the big event since we have been meeting in the SGI training facilities over the past few years!!

On Feb 1, 1997, Laura Halliday VE7LDH, will be in town on business, so she is the guest speaker and all round celebrity for the gathering. Welcome to TX Laura and we will crank up the heat for you just to show you what winter is like in TX. :-)

So, in the past I've gotten email from OK, LA, and other suburbs of Dallas saying that some individuals

would like to come by and see what is going on.
Now is the opportunity to do so. Send me email if
you need directions. Pretty simple actually.
LBJ Freeway (a.k.a. 635) and Preston Rd in North
Dallas on the SE access 1/2 block from the intersection
6200 LBJ and on the second floor. You can't miss it
once you are in the front door.

I'll have the new TenTec 40M Rig.

See ya'll there pardnur.

dit dit

OH, red carpet is out and cleaned.

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Nick Franco <kf2ph@bnl.gov>

Subject: [9715] One Tired Fox

Message-ID: <32E83E3B.5D82@bnl.gov>

Well that's that! My second and last run as the fox. Judging by my
poor scores, I don't think I'll be allowed to play from this end of the
game again :-)

Well Long Island (or at least my area) is constantly plagued with QRN
and tonight was no different. The 40 meter evening black hole. There
were times I called CQ for 15 minutes without hearing one Hunter. I
felt like I was hunting the hunters instead of them hunting the fox.

If I ever move, I think I'll bring a rig with me and work 40 at night
before making a decision to settle in. There has to be a better place.

One cool thing... I got to work a fellow LIer on ground wave (tuff
copy) but still nice. Thanks Jeff - WB5GWB - his call always throws
me. I thought it was another TX station.

TX won the TX vs. CA game here on LI. TX had 4 contacts and Ca had only
Stan N6XU. I had 3 from OK though. Well you'll see the results in the
log to follow tomorrow.

My ears are still ringing, but they always are :-)) I have permanent
nerve damage in both ears. Can't hear any high freqs - like have built
in audio filters, although it never seems to work in my favor :-)) So, I

had fun and was tickled to hear some of the qrp-l family on the air.

One other thing ... I had a couple of contacts with non-QRP-Lers who wanted to ragchew a little. I didn't think it too polite to just dump them so I explained what we were doing and tried to get their power level cuz they don't have a QRP-L number. One was a lady from Fl. running QRO. She thought the Foxhunt was a cool game. With the dead spaces I didn't think it was a problem to chat with them a little and resume the hunt.

All in all a fun night with 20 contacts to add to my credit. Not that good compared to the 40 to 60 I keep seeing on the other Foxi logs. I don't know what the problem is here. I'm sure some of them I just don't hear but mostly I think it's the area. Not bad for a half deaf qrper.

72 es TNX all who played,
Nick - KFox2PH

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [9703] PC serial port pinouts, puleeze
Message-ID: <Pine.OSF.3.93.970123214744.15015B-100000@govonca2.gov.on.ca>

OK, this is qrp related.

I want to try the N6TR logging software for the 160 m. contest this weekend, and other contests.

Lo, I discover my PC does not have a 25 pin serial port, but rather two 9 pin ports (space saving by DELL, I guess, since a modem can be assumed on COM1).

Anyhow, I checked the TenTec manual and they only give pinouts for the 25 pin serial port.

Now, as luck has it, I have the pinout designations for 25 and 9 pin COM ports from the HamComm RTTY program, but not all.

If there is a hardware type that knows the crosses, I'd like to know, thanks.

Here is what I have figured out I think is correct so far, in order of signal, 25 pin pin #, and 9 pin pin #
(correct if I have wrong assumptions !)

signal ground 7 5

RxD	3	??
frame ground	1	?? (pin 1 too? I'll ask, but can use VOM too!)
DTR	20	4
DSR	6	6
RTS	4	7
TxD	2	3
CTS	5	??

Thanks. With this info, I can make a cable (BTW, if a 'standard' 25 to 9 serial cable actually does carry the correct sigs to the pins, that's great. Problem is, I 'd have to kludge the cable since 2 sets of the pins have to be cross-bridged, and another set have to be x-crossed, so not so easy on a molded DB9 and DB-25, all sealed up and all !).

Brien
Toronto
pepperb@gov.on.ca

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: AlK0FRP@aol.com
Subject: [9723] QSL ediquette
Message-ID: <970123234940_714868807@emout10.mail.aol.com>

Gang

I have been licensed for 36 years this Feb. I qsled as a young novice and got DXCC as a general.

I tried 5BWAS but moved from North Dakota (after 27 years) needing 7 more cards out of 250. I read all the North Dakota stabs. Then DX needed A GREEN STAMP(\$1.00) on top of the SASE. just too much. A friend has done 329 contries in last 5 years and it has cost him well over \$3000.00. THATS A NEW RIG OR NEW TOWER AND MONOBANDERS. I don't need qsl's. I do reply when sase are included. If not they wait in a pile until i get enough pocket change to buy a Sheet of \$.20 stamps. I've worked 308 countries but only 160 confirmed. I know I worked them in my own mind, and if anyone disputes it thats fine. If QSL are your bag then Please SASE ,You will increase the returns 10 fold.

I realize new hams like QSL cards because they are nice to get and no two are alike. I make my cards on my PC using clip art and Power Point or PC Paint and 3D creations on a HP-660C printer. I must have 8-10 different ones. I make up cards for Field Day, CQC contests, etc. but only send out less than 20 cards for a given contest or event. SASE please.

Just remember for faster and more bang for the buck send SASE. There are some of use that don't need cards but still are sending back replies. Some day a E-Mail card will be acceptable (not accepted by ARRL). But realize any one

could make 50 QSL cards from Adr off of QRZ call book and print them on a good printer and submit to the ARRL,Whats the difference from E-mail printed cards on paper. I will send all the cards you want E-Mail.
If you didn't get a return on a card sent too me, I must be waiting for the pocket change to get to a price of a sheet of \$.20 stamps.
Just think 150 QSL's at .20, or 10 direct with SASE plus green stamp at \$2.60 each, you could buy another 38S.
My money goes in the air using wire and aluminum.
73/72
Al K0FRP

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: PA3ASC@mailbox.hol.nl (Mike Perry)
Subject: [9768] QSL Etiquette
Message-ID: <199701242036.VAA13414@bonny.hol.nl>

Gang,

Comments noted, especially about the courtesy of including an stamped + self addressed enveloped.

We tend to use the buro a lot on this side of the pond.
It's not fast, but it mostly works quite well.

In Holland, we even get free use of the buro included in our annual membership fee to VERON or VRZA, (the national radio societies). One can feel uneasy about having to buy a postage and include an SAE to get confirmation of a Stateside QSO, effectively paying twice for the same thing.

Furthermore we can't buy US postage stamps here and IRC's are really quite pricy in relation to what they buy.

Is it no longer fashionable to use the buro on the western side of the pond ?

73 de PA3ASC
Benelux QRP Club #737

QRP-ARCI #9326

--
Best regards from The Netherlands,
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl]
=====

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: jdenison@aisp.net (JOEL DENISON)
Subject: [9741] short quad replies
Message-ID: <19970124154027732.AAA176@slip1.ts-f-merrill.caps.maine.edu>

Just want to take a small amount of space to thank all those that responded to my query about the downsizing of a quad antenna.

Good practical information with references to places where I could find more info on the subject.

Thank you, Thank you all very much... Joel

God Bless
Joel

WA5CVM
Joel Denison
81 High street 40 mtr dipole up 40ft
Farmington, Maine 04938 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@aisp.net

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [9745] Shortened Quad, and Other Antenna Articles
Message-ID: <19970124.110711.4671.3.wb2vuo@juno.com>

I found the reference to the shortened quad, and while I was browsing, I also found some other "QST" articles of general interest. Here's the titles and dates FYI:

=====

March 1994 "QST"

"The Pfeiffer Quad Antenna System" - Andy Pfeiffer, K1KLO

This is the "Maltese Quad, a linearly-loaded compact quad..."

=====

October 1992 "QST"

"Home-Brewing Large Antenna Coils" - Robert Johns, W3JIP

Some really LARGE coils for your shortened dipoles/trap dipoles and/or mobile antlers...

=====

July 1991 "QST"

"A Light and Sturdy Quad for 10 and 15 Meters" - Kevin Wellenius, KA3PDM

Bjoern Wellenius, W3/CE3VU

A dual-band Quad using fiberglass fishing poles for spreaders (the Quad precursor to the SLV???)...

=====
July 1991 "QST"

"A simple, Effective Dual-band Inverted-L Antenna" - Dennis Monticelli, AE6C

Your choice, 80/40 Meters or 160/80 Meters with remote bandswitching...

=====
March 1991 "QST"

"The Building-Supply Yagi" - Jack Morgan, W1FEA

A conduit and 2 x 4 Yagi. Heavy, but cheap!

=====
I am still looking for the "Connecticut Shorthorn" mobile antenna, but it is pre-1990 and my "QST" collection is spotty back then. I gave a bunch of them away when I moved in 1991...

Have fun, and build SOMETHING!!!

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY), ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)

"In the Depths of the Great Bergen (NY) Swamp...FN13ac"

Packet - wb2vuo@w2im.#wny.ny.usa.noam

Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Brian Cieslak <brianc@ams-i.com>

Subject: [9735] Sorry for including digest with reply.....

Message-ID: <c=US%a=%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970124142417Z-201@ams-i.ams-mke>

I'm not used to using digest mode and sent a reply to the list.....didn't realize it was going to include the whole digest with the reply....I repent and will turn from this sin in the future....

Brian AE9K

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9779] Ten-Tec enclosure information
Message-ID: <199701242318.PAA17500@netcom20.netcom.com>

Does anyone have complete Ten-Tec enclosure literature and can tell me what the useful internal dimensions are for the TP18, TP19, TP20, TP41 and TP42 enclosures are?

I know what the nominal dimensions are, which are apparently outside dimensions, but don't know about the internal space available. Information on a couple or three of these would probably give me enough information to make assumptions about the rest, if you don't have all of it.

I've sent off a note to Ten-Tec, but it's unlikely that anyone will be there to answer until Monday.

Thanks and 73,
doug

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9725] TenTec 1340 Kit (40M version)
Message-ID: <199701240717.HAA04188@chuck.dallas.sgi.com>

Gang,

Well, once heck of a day. Fell asleep on the couch after supper. Now I'm in trouble so better shuffle around the shack, clean things up 'cuz a bunch of critters wanna see what it looks like on the web page. You really don't think that I'm really gonna show it to you dirty? The maid did come today, so wasn't too bad a job to shuffle things off the desk.

OK, got an hour to spare, let's get started on the TenTec. Remember the story last night and this morning on what I thought was a solder mask. Turns out you don't wanna touch this stuff and remove it or anything else. It is a flux and makes the board solder pretty darn good.

Complete phase 1 construction in less than an hour. Took my time, 'cuz I'm doing some photos (the durn Epson PhotoPC is probably my best buy of last year!!) and they'll be on the web first thing in the a.m.

After phase 1 you get out the 12V supply, in my case a 1.3AHr gel-cell until I get to the PA tests. Hook it up and it plays with the keying circuit. See notes below. No smoke monster came running out of his hideout and we know every rig has at least one just waiting for the chance to escape from inside.

Here are some of my notes, just for those that might for the first time being in front of a major project. You experts can now hit the delete button/key/plug.

Phase 1.0, keying and DC input circuits Assembly Page 6....

1. Take your time and watch each step and check it off.
I did take the yellow highlighter critter to the parts layout on page 6 of the assembly section as I installed. I didn't have to do this but wanted to get a realistic time frame.
2. Page 8, step 1-26. Should be JMP2 instead of JMP1, as VIA 1 is just below JMP2.
3. Step 1-27 took me an additional time increment to locate VIA 2. It is about 1 inch to the left of of JMP2 and down about 1/2 inch. Not shown on any diagram on page 6. Hide and seek to see if you are still awake at this point.
4. SURPRISE #1. Page 9 step 1-30. The wires supplied with the kit are pretinned underneath the insulation. Just like the wire Oak Hills Research provides with the OHR100. Nice touch TenTec. Nice. I like.
5. WARNING. DANGER WILL ROBINSON. Page 10 Step 1-38. I don't about you but I have a CircuitMate DM73 small DVM with a fine tip that I use. Whatever you use just be very very careful measuring the voltage on R3. Just below the resistor leads is the ground plane. When there is 12V on the resistor you do not want the lead to touch both the resistor wire and the ground plane. You remember Ohm's Law. I knew you did. You might get a chance to see how a PC board line can make a very expensive fuse. I provide this not to scare you but to make sure you don't mess up a nice project.

Phase 2 this weekend, the VF0.

So anyone else building the TenTec wanna jump in, go ahead. We wanna get your impressions too.

I am using 63/37 Kester solder 66 core flux 333 and 0.031" diameter. Weller 25W iron with Ungar PL-823 tip, if I remember the number correctly. The board solders nicely but you won't get capillary action since the board is not plated through the holes. Use fine tip on the top side for the ground points in the manual and the vias.

Film at 11. And thanks to all for the bandwidth. We must never get to the point where we think that everyone in this group is at the expert level. I know I'm not even close to being an expert at anything. Have a good day, 'cuz if you don't someone else will.
SIG

Chuck Adams K5FO adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [9724] Tightly Wound Toroid Coils
Message-ID: <199701240659.WAA03218@sierra.psnw.com>

I've been following the comments about winding toroid coils "not too tightly" and that variances in the core material may account for some, if not most of the deviation. I've wound many toroids and every one measured somewhat higher than the math would suggest it should. I can only conclude that I'm winding them too tightly. On the other hand, I prefer having the turns tight enough so that any physical movement is kept to a minimum. Therefore, I *almost always* measure the inductance before soldering the coil onto the board, and as a consequence usually end up removing a turn or two. Everybody has their own style. I guess this one's mine.

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: ROYGREGSON@aol.com
Subject: [9727] Toroid securing
Message-ID: <970124031744_2024170365@emout12.mail.aol.com>

Rod, Jim and others. I'm probably the worse about not sticking down the toroids, but lately I have found a simple and easy way. Super Glue ! I run a very small bead around the core to secure the turns in place, and there seems to be just enough over run or drip to stick the core to the board too ! When finished, can't see any glue because the Super Glue is clear. It dries in a few minuts. I have done this while listening to a signal, and notice only a few notes pitch change that slowly comes back as the glue sets. Simple and fast, no corrosion, no side effects !

72's/73's Roy

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Michael Connor" <mikec@primenet.com>
Subject: [9752] TT 1340
Message-ID: <199701241725.KAA28922@primenet.com>

Gang,
TenTec 40M rig arrived today UPS.:-)
Qrp Heaven, a 38S and TenTec rig a week
apart. Ah, what a blessed life.:-)

Cheers,
Mike
NQ7K

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Tim Pettibone <tpettibo@NMSU.Edu>
Subject: [9746] visible light - qrp-style
Message-ID: <199701241633.JAA82590@nestor.NMSU.Edu>

Excuse the slightly non qrp-l posting.

Yesterday I attended the memorial service for Clyde Tombaugh, discoverer of the planet Pluto. Clyde was 90 years old and was Professor Emeritus at NMSU where he started the Astronomy Department.

The service was wonderful with string quartet (and piano and oboe) music interspersed with 6 people telling stories about Clyde. Two of these were his children Annette and Alden - very touching.

All in all, a celebration of someone who spent an enormous amount of disciplined time looking for tiny little signals amongst all of the "noise". He would have been a hell of a qrp'er!

Tim AB50U

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: NZ8J <timcook@erinet.com>
Subject: [9685] VK0: FINALLY
Message-ID: <32E7FEEA.6F31@erinet.com>

finally worked the VK0 on 30 meters with 3 watts to a 30' high 135' long center fed zepp. He was VERY VERY patient and asked for my call several times. Finally got through... was using the IC-735... enough excitement for one night!!!

tim
NZ8J

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: kellner@usa.acsys.com (Richard G. Kellner)
Subject: [9709] W5RXP/KH3 (long)
Message-ID: <199701240404.VAA02349@fox.acsys.com>

I had my first visit to KH3 land, Johnston Island, last week and did manage, with a lot of effort, to get into the great radio shack and get on the air. I was there 13-14 January, but was not able to locate someone who could let me into the radio shack on the 13th. That was unbelievably frustrating because there is a very nice antenna farm, and it was clear that I'd be in heaven if I could actually get into the shack.

The island is about 2 miles by .5 mile, and is basically an aircraft landing strip surrounded by a narrow border of land. I don't know how many people are on the island, but I must have talked with half of them while trying to get into the shack. I finally located Bob AD4MK late in the day of the 14th, who could let me into the shack but had to leave on TDY the next day so could only let me in for a short time starting at 7PM (local time). A short while later, the local DJ (of the unlicensed pop music station) got me a key so I could stay as long as I wanted - fantastic!

I arrived at the shack about 5:30 PM (03:30 UTC) and proceeded to get familiar with what was there ... there's a lot. Finally I decided I'd better just get started because I could waste away the evening getting familiar with the rigs, antennas, rotors, computers, etc. So I sat down at the FT1000, determined that it was operating position two, connected the 3 EL yagi to position two, and tuned to 14.060. Lo and behold, I hear CQ TEST (and not QRP!) ... just what I didn't want ... I had envisioned

working some QRP.

So I decided to try 30M and 40M, but there didn't appear to be antennas for those bands. So I picked an antenna and tried 30M, heard QRO on 10.106 and nothing on 10.116 so called CQ QRP several times there with no luck. (Later in the evening I discovered that this antenna position had been disconnected!) So I picked the R5 vertical and moved to 40M, and my first QSO was with KV7X/QRP on 7.041! (I didn't reduce power because I figured I was lucky to be getting out on 40M with the R5.) This turned out to be my only QRP contact of the evening (at least, no one signed /QRP or mentioned it)! Every time I called CQ around 7.040 a QRO came back. I heard plenty of QRP, and waited for several QRP QSOs to end, but everyone seemed to be long winded that night. But worked a bunch at 7.040+-.

A little later, tried 20M again, but propagation had switched to the Far East, and worked a few stations. It appeared that the contest had ended.

Then went back to 40M at the low end, called and worked a 3D2, and then ended up on the end of a pileup that I had never been on before. It was about a minute before I could pick a single call out of the stations calling me! This continued until I called it quits about midnight, because I had to get up at 05:00.

I am amazed that I had to work for QSO's around 7.040 early in the evening, (maybe everyone thought I was in PA?) but later in the evening at 7.003 I was the rare end of a pileup. I am also amazed that I only reached one QRP station, even though I had originally intended that QRP was mainly what I was after.

As it turned out, half of the marked antenna positions were not even connected, although I was always able to match to 1.5:1 or better. So I wasted a lot of time before I figured that out. Oh well, maybe next time I'll know ahead of time when I'll be on JI, how to get into the shack, what the setup is, etc, and it will work out that I get more quality operating time (and many more QRP QSO's!). At any rate, it still was a great experience.

72/73, Rich W5RXP

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Dave Sjolin <sjolin@swbell.net>
Subject: [9781] WA6GER email address

Message-ID: <32E946AD.5B4A@swbell.net>

Sorry for the bandwidth. I have lost Jim's e-mail address. Can anyone help?

Thanks. 73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Dean T. Miller" <dtmiller@dsmnet.com>
Subject: [9767] WB5QYT 38s test
Message-ID: <9701242030.AA04866@dsm7.dsmnet.com>

Hi All,

For What It's Worth ---

I managed to hear WB5QYT testing his 38s on 10116 at about 2008 UTC. I guess he couldn't hear me calling him.<g>

Dean -- from Des Moines (KB0ZDF)

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9766] Web Dweeb Stuff
Message-ID: <199701242019.UAA06009@chuck.dallas.sgi.com>

Gang,

OK, the TenTec Phase 1 test went fine as posted last night. Pictures on the web page, see signature.

I apologize for the flat page. Multilevel structure to follow. I'm taking the same approach to this as I do to a lot of stuff. You start out with the basics then you graduate to the high onion layers, like high end Graphics tools to create the web pages. Hey, I want to know how things work, not just use 'em. Typical QRPer at work, IMHO. Meaning, that I used only 'vi' UNIX text editor to create the page. Dweeb alert for sure. :-) ;-)

Note additions of photo of operating desk (cleaned, of course). Can you name the rigs in photo #2? The left hand stack you cannot 'cuz a lot of K5FO cases with hidden goodies. You have to give the secret QRP-L handshake to see those. :-) Later.

FYI

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: "T. PETTIBONE" <tpettibo@NMSU.Edu>

Subject: [9699] Where's the FOX?

Message-ID: <Pine.A41.3.95.970123192651.12934B-100000@hector.NMSU.Edu>

Anybody heard the fox?

Tim AB50U

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: NZ8J <timcook@erinet.com>

Subject: [9691] Wilderness Buzznot??

Message-ID: <32E80769.29E6@erinet.com>

Does anyone know if the Wilderness "buzznot" noise blanker is designed specifically for the 40A and Sierra rigs, or will it work with other QRP rigs?

Thanks

Tim

NZ8J

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Al Moyle <moyle@essc.psu.edu>

Subject: [9690] Re: "C" Beacon 5154.0 khz

Message-ID: <3.0.32.19970123193839.008fb590@pop3server.essc.psu.edu>

I'm hearing the "C" beacon, mentioned in Larry's message, right now (0035Z) on 5.154 MHz ... pretty weak, probably about S3. QTH is Lemont in central PA, near State College.

Al N3KFL

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "M. Monninger" <markem@primenet.com>
Subject: [9707] Re: 38 Special Posts
Message-ID: <3.0.1.32.19970123203249.00944100@mailhost.primenet.com>

At 09:24 PM 1/23/97 -0600, Claton Cadmus wrote:
>Hey, what happened to the 38S chatter??? I miss it. What's happening
>with your kits today?
>
Maybe everybody is busy building...

Or, I heard that AOL was down today. That could account for the reduced traffic. AOL and Juno down would probably cut traffic by about 50%.

73... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9708] Re: 38 Special Posts
Message-ID: <Pine.SUN.3.90.970123192836.16010G-100000@vortex.sage.dri.edu>

On Thu, 23 Jan 1997, Claton Cadmus wrote:

> Hey, what happened to the 38S chatter??? I miss it.

Hi Claton,

I've been holding off, but.....

The thing I love about the little 49ers, nc38s, Rainbows and etc is that after fooling with high tech goddies all day, I can come home and just relax and have fun!

No better way to learn what's happening in a rig than to build some simple projects that really will make QSO's! What a shot in the arm for those just getting started!

And lets not forget that \$100 is a lot of money for many of us. I still remember having to save for 3 months just to buy my first set of paddles, a Bencher, which I still have and like.

When someone is trying to make ends meet and keep all the mouths fed, \$250 for a "nice" kit seems like a long ways off, but \$25 is something most can scrape up. For those who haven't built things before, these projects are a great way to start. And much more support here on the "net" than any vendor could ever dream of giving.

Even Paul Harden is having fun playing with these "toy" radios! And I sure wouldn't call him someone who doesn't know what he is doing! What he is doing is having fun!

So just put something in the subject line about "38". Those who don't want to be bothered by or just don't have time to read about all of us having so much fun, can just hit the big DELETE key miss all the fun!

I'm with Claton on this one!!

Gotta get my bench cleaned off and get mine strated.....

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Steve/NOTU <NOTU@webaccess.net>
Subject: [9729] Re: 38 Special Posts, QRP-L=ELMER
Message-ID: <32E8A30F.48D4@webaccess.net>

Claton Cadmus wrote:

>

> Hey, what happened to the 38S chatter??? I miss it. What's happening
> with your kits today? Anybody come up with a new mod or piece of advice.
> I want to here about it. I was hoping mine would show up today. I know
> it shipped Saturday, guess it takes a week to get to Minneapolis.

Hi Claton, Maybe you can help me...I'm curious who should I contact to find out how far down the list I am for my 38s kit...I sent in a order/check the first of this month but I've heard nothing! I know those guys are BUSY...and I don't want to bug the wrong guy and slow up production! Was I suppose to get a number via e-mail? Is my order lost??

I sure don't want to miss out on all the chatter/fun!! (oops! is it ok to mention that here?)

BTW...If this list is not the place for 38 chatter then where the heck is???? I'm new to the list about 3 months ago...This group has been responsible for my return to HR! I luckily happened onto purchasing a 49er, built it, and had a blast doing it! (Oh yes...I learned some things too) and want to continue that FUN(learning)!! But not with out the help of this group. Years back I lost interest in HR along with QRP because there wasn't a convenient (sp) way of keeping in touch with a support group to help keep the sparks going. I'm hooked again!! I can't wait to download another 30-40 messages when I get home from work to see if there's anyone chatting about mods to their 49er, antennas, paddles, foxes, HB, etc, etc, (I got in a lil' late on the 49er wave) If this group were to loose it's (Elmer's attitude} willingness to share it's knowledge and helpful spirit then it would just be another elitist group of elusive CW/QRP operators having a closed session high-tech discussion. NOT!!! This group IS the Elmer of HR today!...without it and groups like it, HR is going to lose it's steam (maybe I should it's sparks!!) So Keep the Cheap Kits Coming!!! They are the Medium for the Message! BTW...who said these kits are cheap!?? My 49er has cost me about 40 hours of time! Pure FUN time I might add!... and it's working... but not finished... not yet...NOT even soon!

Excuse me for all the noise!...I'm QRU!... N0TU

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO

QRP-L # 911
Steve-N0TU

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9782] Re: 38s Mods parts list
Message-ID: <Pine.SUN.3.90.970124154622.20195B-100000@vortex.sage.dri.edu>

On Fri, 24 Jan 1997, SDULANEY wrote:

> P.S. This project has convinced me to learn CW and upgrade.

Another great outcome from playing with toy radios!!!

Congratulations!

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9762] Re: 38S Rcvr Problem
Message-ID: <199701241917.NAA10139@multi13.netcomi.com>

Bill --

Let's see what we can do. First, we need some information.

Does changing the antenna or dummy load affect the whine? Changing the impedance load on the input circuit will influence any oscillations in the first mixer.

Does adjusting the RF gain control affect it? Same reason.

Does adjusting TC1 affect it? Same reason.

Does tuning the radio affect the pitch, stability, or level of the whine? If so, it is most likely to be in the first mixer area. However, it might still be after that section if the oscillation was triggered by noise or signals coming from the first mixer.

Short C10 with a short resistor lead. Does the whine stop? If so, you can rule out the audio stages.

Now comes the mystical part. This is the "laying on of hands". Lightly touch a finger to various sections of the circuit. Depending on where you touch, you will change the tuning, change the gain, and augment or interrupt feedback paths. Can you affect the whine by touching parts of the circuit? Be sure to hit U3, U1, and U5. Can you make the whine stop by pressing hard on one section? Try the same thing with one finger contacting the ground trace and one touching the sensitive section. Before you blame a section of the circuit, make sure that you are having a direct effect on the whine, and that the change is not because you affected something else. For example, if you touched the audio amplifier, and the whine got quieter, but the noise also got quieter, you probably haven't found the source of the whine. Also, touching the U3, X3 circuit will detune the second mixer/oscillator and move an oscillation occurring in the first mixer along with any signals from the antenna.

Double check C38, the electrolytic which filters the half-voltage reference for the audio amplifier. Are you sure that it is installed in the right direction?

Oh yes, Nils would get mad if I forgot to tell you to check the 8 volt power supply.

Does the sidetone work correctly on transmit? Do the T- and R- signals properly move between 8 volts and 0 volts when you key the transmitter? These signals are connected to multiple places through diodes. Does the node on the other side of the diode go to 0.7 volts when the respective signal driving it goes to ground? If any of these are wrong, you may be creating improper feedback paths by not completely switching the circuits around when going between receive and transmit.

Does the receiver work (receive signals) except for the whine? Does the white noise increase when you connect an antenna?

Have you double checked the values of all the capacitors so you are certain that none are swapped?

Are all of the components mounted close to the board with very short leads? Long leads act as antennas and add extra inductance, both of which can introduce feedback.

Have you soldered the cases (cans) of all the crystals to the ground pads located at the ends of the crystals? An ungrounded crystal case makes a very big antenna for feedback paths.

Are there any clipped component leads stuck to the back of the board? Shorts and partial shorts are obvious sources of problems. I won't embarrass myself by telling you how often I've overlooked a wire stuck to the back of the board.

Is the board resting on a non-conducting surface? Think that a smart engineer would never try to debug a sensitive analog measurement circuit while the board rested on a slightly conductive anti-static mat? Guess again. Been there, done that.

That's about it for now. Try these tests and tell us what happened.

Mike K1MG

>

> My 38S has an oscillation heard in receive mode-a high pitch whine louder
> that the underlying "white noise" you'd expect to hear on a dead band.
> Transmitter seems to be working fine. No solder bridges or bad solder
> joints apparent. Anyone have any ideas?

>

> KB9KOL Newburgh IN---BILL NICKRAND----WORK IN PROGRESS

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Alan Kaul <kaul@netcom.com>
Subject: [9777] Re: 38S Rcvr Problem
Message-ID: <Pine.3.89.9701241307.A5814-0100000@netcom20>

Mike and Bill ... let me tell a story which is embarrassing to me, but can be told in hopes that it helps others to learn from my mistakes.

I thought I had a better idea when I was building my 38S -- I was going to do partial mods as I went along, that way I wouldn't have to remove anything later when I wanted to complete the modification.

I added the RIT circuit, and installed all the parts of the 5W mod EXCEPT, I did not install the final transistor, and I did not cut the trace between the 74HC240 transmit chip and the final amp. What possibly could have been wrong with that??

Plenty!

I wound the torroid choke (either L5 or L101 depending on which schematic/reference you're looking at). And I installed it. As it turns out, it was not such a good idea! And my ''labor saving shortcut'' cost me, time and effort and a 38S that still doesn't work (with direction from Ori, AC6AN, I'm hoping to get it repaired this weekend).

My rig didn't work on transmit and it didn't work on receive. I started checking voltages and found 12V going into the regulator and 12V coming out!! Aha, I thought, regulator bad--replace it. I changed the regulator and I still had 12V going in and 12V coming out. Then I also checked the 7808 I had removed by testing it OUT OF THE CIRCUIT. It worked fine. Ori reminded me via e-mail that with L101/L5 in the circuit and without cutting the trace for the 5W amp mod, I was now putting 12V on the 74HC240 and no one had tried that!! You'll note on the last page of the 38Special handbook, NA5N's Data Sheets show the chip is designed for +2 to +8 VDC! Oooooops. The 12V that came thru the choke probably fried the chip.

A voltmeter then was pressed into service to check the pins of the 74HC240. I discovered something very depressing --- the control voltages (identified as R- and T- on the schematic) were not what they were supposed to be. Pin 13 of U4 had 8V on receive and 0 volts on transmit as it was supposed to, but pin 7 indicated 8V ON BOTH TRANSMIT AND RECEIVE! "OH, OH," said Ori -- you probably damaged the chip!

There was another indication that something was wrong (in addition to the rig not working). The current draw on receive was about 120ma. Ori said

a normal range would be 30-to-40ma.

So, I've got a replacement chip to install and a lot of work with a solder-sucker getting the old one out. Ad then I'll know if the 74HC240 is the only problem, or if there are other things that happened when 12V was applied to chips designed to operate on 8V.

I read the thread the other day about beginners. And I must say that in a very large way we are all beginners. I decided a long time ago that the day I don't learn something new at work, is the day that I ought to look for a new, more challenging job. I've been a ham for many, many years. But I'm not an engineer, and I still need to be pointed in the right direction sometimes when I get lost.

I've said it several times already, but am happy to say it again and again. Thanks to Ori, thanks to Michael, and thanks to anyone who takes 30-seconds to help any of us. Because in a very real way -- that helps ALL OF US!

How significant is that kind of help? Well... Many years ago I worked and lived in Amman, Jordan. It was a fairly poor country with a huge uneducated percentage of the population and no oil and few natural resources -- little water, little ariable land, etc. One of the things King Hussein did was to sponsor dozens of Ham Radio Clubs at schools, the university, army bases, etc., and bought HF gear and established radio classes. In a few years, he had a cadre of trained engineers -- NOT entirely because of Ham Radio, but it seems pretty clear to me that it helped. Jordan still is a third world country, but there's no question that radio helped make a difference. With Ori, Doug, Michael, Paul, Dave, Preston, et. al, helping the rest of us solve problems by pointing the way, radio and qrp-l are making a difference here, too.

Thank you all.

Best 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [9753] Re: Az - Thursday Night Fox
Message-ID: <19970124.104856.6678.0.gsurrency@juno.com>

I concur, the band was extremely noisy here last night. Sounded like I was driving down the highway at 70+ MPH and had sponges for headphones on.

Only a couple of signals on the band were strong enough to make it thru. What a waste.

30m wasn't any good either, and it closed down early and never woke up, at least until I went to bed.

I heard the "S" beacon on 7.0393 here about 0200 UTC. That should have been a clue.

72 anyway,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix) Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [9698] Re: Backpacker Tuner

>From: Larry Gagnon <lgg@ampolexusa.com>
>I am looking for a good, as small as possible QRP antenna tuner for
>backpacking - something that can tune a balanced line.

Hi Larry, how does a handfull of capacitors sound? For a 300 ohm ladder-line fed dipole, anytime the SWR is over 6:1 (it usually is) a single capacitor placed across the feedline at the proper point will result in 50 ohms at that point. Anytime the SWR is over 1.5:1 a single capacitor placed across the feedline at the proper point will result in 200 ohms at that point. Take it through a 4:1 balun and you have 50 ohms. I call these almost magic points the PC-50 and PC-200 points where a Parallel Capacitor will result in the desired pure resistance. There are also parallel inductance points (PL-xx), series capacitance points (SC-xx), and series inductance points (SL-xx) but the PC-xx points are, IMO, the most interesting.

For the higher bands, these capacitance values can be done with open parallel stubs of transmission line, eliminating the capacitors. The key to this technique is finding the current maximum points on the transmission line. It can be done with a simple pickup loop device like the TLC Ladder-Lizard (or one can get a close estimate with EZNEC). Once the current maximum point is known, the PC-xx

points are just a little farther down the line toward the transmitter. A backpack antenna could be tuned first at home before the camping trip, capacitor positions noted, and repeated during the camping trip. What I use is lengths of ladder-line with connectors on each end, 1 ft., 2 ft., 4 ft., 8 ft, etc. so by choosing the proper lengths, I can vary the feedline length to match the PC-200 points. I use one fixed cap for 75m and one variable cap for all the other HF bands.

I don't know of any way to get more of that precious QRP power to the antenna (except Zack's perfectly matched remote transmitter located directly at the antenna). It seems that eliminating the bulky antenna tuner entirely along with its lossy coil would be the way to go for QRP backpacking.

73, Cecil, W6RCA, 00TC

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [9692] Re: Backpacker Tuner design required
Message-ID: <32E8071D.41F7@webaccess.net>

Larry Gagnon wrote:

>

> I'm relatively new to QRP and also to this list so a big hello to all. I am
> looking for a good, as small as possible QRP antenna tuner for backpacking -
Larry...I too in the process looking for good BP ATU design!
Currently...I'm building a L-matching network in the General Foods Int'l
Coffees tin using tiny air variable cap and some coil stock...I want to
include a SWR circuit but not sure there's room. I've order the Rainbow
Tuner (check out the NJclub Page) but it's still being kitted and won't
ship for awhile. It's tiny and supposed fit into an Altoids tin!! Just
right for the trail! Soooo...keep me posted on what you come up with???

--

portable/solar powered QRP QRP-L # 911
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO Steve-N0TU

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9757] Re: Check out the pics
Message-ID: <854128867.518499.0@gqrpclub.demon.co.uk>

Thanks very much Dean and I look forward very much to seeing your pictures

and will use them on my web site.

Best regards.

---72/3---Frank G3YCC G QRP 042

QTHR (Kirk Ella, East Yorkshire)

QRP Web sites: <http://www.gqrpclub.demon.co.uk>

<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Dan Hogan <dhhogan@lightside.com>

Subject: [9754] Re: FAQ- way to have more air time

Message-ID: <3.0.16.19970124065640.33af12a6@mail.lightside.com>

Stuart:

I have been on the Internet 7 years. I suggest that everyone read the latest edition of "The Whole Internet by Ed Krol." It says it all.

At 20:00 1/23/97 -0600, rohre Wrote

[Snip]

>but for some who still uselessly repeat a message with their reply. I

>really like to see what EVERYONE has to say as a courtesy.

[More Snip]

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806, ARRL, ARCI #3847

dhhogan@lightside.com Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: Bob Patten <n4bp@shadow.net>

Subject: [9733] Re: K5XU for MS FSFD

Message-ID: <Pine.SOL.3.91.970124082805.16384B-100000@hyper>

On Fri, 24 Jan 1997, Mike Duke wrote:

> I'll also check 20 randomly during the day tomorrow as my schedule of

> chores for mom permits.

>

Can we nail you down for a specific time period tomorrow? Maybe you and

Mom can come to an agreement? For frequency, I'm guessing around

14.058-.062?

Would love to make a QSO with you...

73,

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: PA3ASC@mailbox.hol.nl (Mike Perry)
Subject: [9769] Re: Lead acid batteries
Message-ID: <199701242036.VAA13419@bonny.hol.nl>

Larry,

I presume you are refering to those small sealed batteries with a capacity of typically one or two amp-hours.

Conventional wisdom indictes that lead acid cells should be charged at what is called the "one tenth amp-hour rate" i.e. divide the capacity in Ah by 10 and you get the average charging current in amps.

If the cell must be left inactive for a long time, a small trickle charge of a few millamperes will help keep it in good shape.

But take care not to overcharge these cells, or they might burst open. In extreme cases an explosion cannot be ruled out.

>

>Does anyone know the charging requirements,
>off-hand, of the little sealed 12v lead acid batteries
>used in consumer electronics? I am interested in
>what it takes to properly maintain their current handling
>capability. Thanks, Larry Braden KC5CWG

--

Best regards from The Netherlands,
Mike Perry. [e-mail :- PA3ASC@mailbox.hol.nl]

=====

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [9771] Re: Marine Antenna Question
Message-ID: <Pine.A41.3.95b.970124121736.38488A-100000@homer16.u.washington.edu>

I wouldn't "dangle" a grounding wire off a power boat if I could help it. Sooner or later it will end up in the prop, usually sooner. Solder the/a counterpoise wire to a piece of circuit board material. Attach it to a stick and clamp this to the boarding ladder. Since you're operating a time share boat I would assume there is a permanently mounted (folding?) boarding ladder off the stern. Flip down the ladder and you've got your counterpoise in the water. If the ladder is metal you could simply clamp the counterpoise wire to the ladder with a hose clamp. Perhaps place a sacrificial zinc electrode there on the ladder as well.

Don't know what choice you have in antennas other than some form of vertical...modified SLV perhaps? Again, chances are you're yacht will have an existing marine radio with antenna. You could try using a tuner with the existing setup. Check the boat out ahead of time...Most of the time-share folks require a check out anyway. If it has a stern railing you could put a clamp-on antenna mount there.

Are you a diver? Something I've wanted to try is floating an antenna on the surface and sending from 7 fathoms down. Would take a lot of planning to pull that one off, hi hi. Diving the San Juans can be tricky, just like boating the San Juans. Sea Lions like to come up behind you and sniff your bubbles. Sometimes an entire school of salmon will swim right by you. We didn't always catch our dinner but do recall one trip where we dove for 20 minutes and had ourselves 7 humongous dungeness crabs for eats. Watch the tides and the winds...did I mention wind???? Make certain you have at least 2 anchors and enough rode to set a 5 to 1 purchase. Wind is usually not a problem during the summer but is very much a consideration during the winter and springtime.

BTW: Need a deck hand? :)
Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9722] Re: One Tired Fox
Message-ID: <199701240637.GAA04120@chuck.dallas.sgi.com>

Nick,

I just barely heard you and called a couple of times.
OK.

You don't have to apologize. We don't care what your score was. You showed up, you did your best, and propagation is a fickle critter. Sometimes good and sometimes not. It's the luck of the draw. You have a good a chance as anyone else for the running next year.

You do get a bonus in my book for working more TX than CA. :-) ;-)

I heard Stan, N6XU, hear in TX call you. For the first time since I first heard Stan and everytime since he was not a 599 here. He was about a 549 or so. So the ions were still running cold it looks to be.

I'll post update when I get your scores. Saturday is fine.

Two hours in one position straining to work stations is a real drain on the body and mind. A lot of people fail to realize that until they have been there and done it. Notice how the testers (the big guns you read about all the time) are trim and fit? They know what it takes to be at the top and stay there.

Again thanks for you two turns in the field being run down by the dogs. :-)

dit dit cul

SIG

Chuck Adams K5F0 adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: AE0Q / V31RY <v31ry@ix.netcom.com>

Subject: [9712] Re: PC serial port pinouts

Message-ID: <2.2.16.19970124041155.28aff0c2@popd.ix.netcom.com>

At 22:08 23-01-97 -0500, Brien wrote:

>

>OK, this is qrp related.

>I want to try the N6TR logging software for the 160 m. contest this

>weekend, and other contests.

snip

>If there is a hardware type that knows the crosses, I'd like to know,
>thanks.

Here's the pinouts for both serial connectors:

RS-232 name	25-pin	9-pin
RTS	4	7
SIGNAL GND	7	5
DTR	20	4
CTS	5	8
DSR	6	6
TXD	2	3
RXD	3	2
FRAME GND	1	SHELL
DCD	8	1
RI	22	9

The last two aren't used very much, but some RTTY programs use them..

Hope this helps! -- Glenn

Duct Tape is like the Force: It has a light side, and a
dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Kirby, John" <John_Kirby@ATK.COM>
Subject: [9738] RE: PC serial port pinouts, puleeze
Message-ID: <c=US%a=_%p=ATK%l=ATK/MPLS/00002F23@exchange_mn2.atk.com>

Brien,

The following is from (part of) a BLOCK BOX catalog
EIA pin out for RS449, RS-232C/CCITT Table.

Send me ur snail mail adr and I will send u the entire table...

1,1 Shield
2,12 Secondary receive line detector
3,14 Secondary xmit data

4,16 Secondary receive data
5,7 Signal ground
6,none does not relate to 25 pin connector (pin 20 on 37 pin connector)
7,19 Secondary RTS
8,13 Secondary CTS
9,none does not relate to 25 pin connector (pin 37 on 37 pin connector)

The following I measured, (9pin to 25pin adaptation use on my computer):

1,8
2,3
3,2
4,20
5,7
6,6
7,4
8,5
9,22

72/3 John
N3AAZ

>-----
>From: Brien Pepperdine[SMTP:pepperb@gov.on.ca]
>Sent: Thursday, January 23, 1997 9:08 PM
>To: Low Power Amateur Radio Discussion
>Subject: PC serial port pinouts, puleeze
>
>

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [9740] Re: PC serial port pinouts, puleeze
Message-ID: <Pine.OSF.3.95.970124091733.31768C-1000000@duke.usask.ca>

You should be able to get a 9 to 25 pin converter from your local computer store.

Brian.

On Thu, 23 Jan 1997, Brien Pepperdine wrote:

>
> OK, this is qrp related.
> I want to try the N6TR logging software for the 160 m. contest this

> weekend, and other contests.
>
> Lo, I discover my PC does not have a 25 pin serial port, but rather two
> 9 pin ports (space saving by DELL, I guess, since a modem can be assumed
> on COM1).
>
> Anyhow, I checked the TenTec manual and they only give pinouts for the 25
> pin serial port.
>
> Now, as luck has it, I have the pinout designations for 25 and 9 pin COM
> ports from the HamComm RTTY program, but not all.
>
> If there is a hardware type that knows the crosses, I'd like to know,
> thanks.
> Here is what I have figured out I think is correct so far, in order of
> signal, 25 pin pin #, and 9 pin pin #
> (correct if I have wrong assumptions !)
>
>
> signal ground 7 5
> RxD 3 ??
> frame ground 1 ?? (pin 1 too? I'll ask, but can use VOM too!)
> DTR 20 4
> DSR 6 6
> RTS 4 7
> TxD 2 3
> CTS 5 ??
>
>
> Thanks. With this info, I can make a cable (BTW, if a 'standard' 25 to 9
> serial cable actually does carry the correct sigs to the pins, that's
> great. Problem is, I 'd have to kludge the cable since 2 sets of the pins
> have to be cross-bridged, and another set have to be x-crossed, so not so
> easy on a molded DB9 and DB-25, all sealed up and all !).
>
> Brien
> Toronto
> pepperb@gov.on.ca
>
>
>

```

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| It's -35 degrees Celcius out there! ... no, wait, it's -5 ... no it's -35 |

```

| ... hold on, it changed again, it's -5 ... |
+-----+

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Brian Cieslak <brianc@ams-i.com>
Subject: [9734] RE: QRP-L digest 615
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970124140937Z-197@ams-i.ams-mke>

Yes, Hale Bopp is impressive and very bright, almost naked eye here. My last observation a few days ago showed two hot jets or perhaps!!! the comet has broke into two...this one is going to be impressive(at least from an astronmers point of view). We just recevied some CCD equipment at our observatory and will be learning how to use it over the next few weeks..maybe we'll get some decent pix. we're till learning how to use the 12" LX200 telescope.

We'll kepp the net posted.

Brian AE9K
Observatory Staff
Nichols Observatory
Richfield, Wis.

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Bob, W4ED" <rbe@atlanta.com>
Subject: [9693] Re: shortened quad ant.
Message-ID: <32E843C8.487@atlanta.com>

JOEL DENISON, WA5CVM wrote:

> (quad antenna)...How short, can I make the sides
> (say for 14.060 mhz) and still expect it to work?

In general terms, the tuning of a multi-element quad is complicated without downsizing. IMHO, enough downsizing to effectively reduce wind loading will absolutely create havoc with tuning, front/back ratio, and gain. I have some experience with 145mhz two & four element (round) QUADs and a (rectangular) 3 x 2 array.

For a ball park figure only, a single fullwave loop will

drop from a maximum gain at ~1.4 wavelength of ~3.8 dBi to ~2 dBi at 0.8 wavelength. And that's less than a dipole ! This data is from page 32, "The QUAD Antenna" by W4MB, Bob Haviland. This is a fine book you should have in your library, based on your interest in QUADS.

Maybe, it would be better to put extra effort into a stronger mechanical design - for a full size QUAD. And/or consider a delta configuration.

--

GL, Bob 72/73

W4ED x_AE4CA nr Atlanta @EM73wt
"QRP", more from less....
 :EMPS QSOs=83 STATES=28/7 DX=??



From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
 From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
 Subject: [9695] Re: shortened quad ant.
 Message-ID: <Pine.SOL.3.94.970123204248.25416K-1000000@utkux4.utcc.utk.edu>

Joel,

A quad qith sides down to abut 70% full size will still perform at 90% of the full size quad. I did some computer studies and made a working model of a 2-element "shrunk quad" for 10 meters that verified the computer work. You can use two systems of loading the quad at the mid-sides, the high voltage points, and this applies whether you are using a diamong shape (loading ad the side points) or a square (loading at the midsides). One system is to run indents of parallel wire, perhaps 3-6" apart from the mid-sides toward the hub, using a shorting bar to set the precise point. The other system is to complete the loop and add a wire perhaps a foor to 2' long inward toward the center from each mid-side. Then run wires of exactly equal length parallel to the loop wires but spaced and insulated. Set lengths for desired resonance. Both are forms of "capacity hat" loading (which is not really capacitive at all, but simply nonradiating current completion paths top permit a desired resonance point). Unfortunately, this installment to the small beam series in Communications Quarterly is about 3 away from publication. Efficiency and bandwidth begin to decrease rapidly as you get smaller than about 70% full size, as does gain in a 2-element small quad.

Hope these notes are useful.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [9700] Re: shortened quad ant.
Message-ID: <32E6F763.7DFC@concentric.net>

Bob, W4ED wrote:

>
> JOEL DENISON, WA5CVM wrote:
>
> > (quad antenna)...How short, can I make the sides
> > (say for 14.060 mhz) and still expect it to work?
>
> In general terms, the tuning of a multi-element quad
> is complicated without downsizing. IMHO, enough downsizing
> to effectively reduce wind loading will absolutely create
> havoc with tuning, front/back ratio, and gain. I have some
> experience with 145mhz two & four element (round) QUADs
> and a (rectangular) 3 x 2 array.
>

Hi there,

I remember that in a QST about 1 1/2 years ago there was an article about the Maltese Quad that had the wires formed in the shape of a cross instead of a box. It was quite a bit smaller than a conventional quad and gain figures were about what they should be for a full size one. The wire length was still a full wave but the size and wind loading were reduced by the way the wires were routed...Just a thought...

Best
Jess N0TFI

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [9713] Re: shortened quad ant.
Message-ID: <19970123.231440.4671.1.wb2vuo@juno.com>

>> JOEL DENISON, WA5CVM wrote:

>>

> > (quad antenna)...How short, can I make the sides
> > (say for 14.060 mhz) and still expect it to work?

> >

>> In general terms, the tuning of a multi-element quad
>> is complicated without downsizing. IMHO, enough downsizing
>> to effectively reduce wind loading will absolutely create
>> havoc with tuning, front/back ratio, and gain. I have some
>> experience with 145mhz two & four element (round) QUADS
>> and a (rectangular) 3 x 2 array.

>>

>Hi there,

>

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>about the Maltese Quad that had the wires formed in the shape of a cross
>instead of a box. It was quite a bit smaller than a conventional quad
>and gain figures were about what they should be for a full size one. The
>wire length was still a full wave but the size and wind loading were
>reduced by the way the wires were routed...Just a thought...

>Best

>Jess N0TFI

=====

I don't have the date, but the article was called "The Maltese Quad", and the author was Andy Pfieffer, K1KLO, a former neighbor when I was living in 1-Land down on the shores of Long Island Sound.

Andy also had two VERY effective mobile (HF) antlers, "The Connecticut Longhorn" (on a Ford Country Squire wagon) and "The Connecticut Shorthorn" (on a Subaru). I had the opportunity to ride with a ham in the Central NY area years ago who built the "Longhorn" and used it on 75 Mtrs AM (!!!), and had a very nice signal from his single 6146 final, and a W2YM-designed solid-state modulator. Rich has been a Silent Key for a decade or so now, but I still remember the disbelief expressed by the ops at the Rochester Hamfest as he was working AM Mobile from the parking lot at the fleamarket, and getting S-9+ reports during the day from 150 - 250 miles out. Andy's design(s) worked better than good!

If I can find the date, I'll post it on all 3 antlers as the "Longhorn" could be scaled to other bands for an effective mobile antler...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"

Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Bob Follett" <bfollett@ditell.com>
Subject: [9749] RE: Solar Storm reported on TV
Message-ID: <199701241710.KAA32652@orion.ditell.com>

Gang:

I hope some of you saw the TV coverage of the Solar storm Jan 6th which hit the earth Jan 10th. The first complete capture of the entire event, from the time of eruption to hitting the earth. The satellite photos of the resulting aurora lights were incredible!

Downside is it not only screwed up Fox hunting for a few days, but probably (They can't say it did because of liability issues -- isn't our sue-happy country great?) terminated the T401 communications satellite.

Anyway, there is more than Solar Flux out there that affects our HF communications capabilities!

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [9759] RE: Solar Storm reported on TV
Message-ID: <53636.owen@apollo.eeel.nist.gov>

In message Fri, 24 Jan 1997 10:07:40 -0700,
"Bob Follett" <bfollett@ditell.com> writes:

> Downside is it not only screwed up Fox hunting for a few days,

It really messed up all the bands even with QRO ++++ I couldn't run my 75m phone net without out-of-state stations acting as relays.

> probably (They can't say it did because of liability issues -- isn't our
> sue-happy country great?) terminated the T401 communications satellite.
>

I want to see what happens here. Who are they going to sue--GOD?

72 Jim K4CGY qrp-1 #72

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [9760] RE: Solar Storm reported on TV
Message-ID: <Pine.SOL.3.91.970124140003.21672B-100000@hyper>

On Fri, 24 Jan 1997, Bob Follett wrote:

> I hope some of you saw the TV coverage of the Solar storm Jan 6th which hit
>

> country great?) terminated the T401 communications satellite.
>

So that's what happened! I work for WPLG-TV in Miami and we take (took!)
much of our programming including the ABC network from Telstar 401. What
a mad scramble the day they lost that satellite!

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: TMOLL@aol.com
Subject: [9773] Re: Solar Storm reported on TV
Message-ID: <970124155623_1178027110@emout10.mail.aol.com>

Jim K4CGY said -

<< I want to see what happens here. Who are they going to sue--GOD? >>

Why not? Based on a recent experience I had, I think there's a good chance of
winning.

Tom, N0BS

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>

Subject: [9737] Re: Sorry for including digest with reply.....
Message-ID: <97Jan24.094940-0500_est.10421-20330+2@hooch.cc.Lehigh.EDU>

> I'm not used to using digest mode and sent a reply to the
> list.....didn't realize it was going to include the whole digest with
> the reply....I repent and will turn from this sin in the future....

Brian,

I've removed the included digest in your post from today's digest and the archives, so it only affects the 726 subscribers that get individual postings :-). Thought that would make you feel better :-). :-)

73
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9756] Re: Tightly Wound Toroid Coils
Message-ID: <199701241827.MAA07668@multi13.netcomi.com>

I've seen several examples of Bill Jones' 'style'. If I could build a rig that had only a tenth of his style, I'd be in heaven. If winding tight, stable, neat, consistent toroids means having to take off a turn or two, where is the problem?

I have to admit that I am a little surprised that the winding tightness would have so much effect, but that's the beauty of this field -- every day you learn a little bit more.

Keep up the good work, Bill

Mike K1MG

> ... I can only conclude
> that I'm winding them too tightly. On the other hand, I prefer having the
> turns tight enough so that any physical movement is kept to a minimum.
> ... Everybody has their own style. I guess this one's mine.
> =====
> Bill Jones - KD7S <><

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [9710] Re: Toroid winding
Message-ID: <19970123.200614.8895.1.DWink@juno.com>

On Thu, 23 Jan 1997 09:33:28 -0800 Jon Iza <ea2sn@jet.es> writes:
>Gang,
>there was an email on digest 613 from Bill Jones, KD7S, about winding
>toroids really tight and, THUS, resulting on higher inductances.
>It happens to me the same.
>May a wise guy/gal (yes, they are on the list too) explain a little
>further about this relation thightness/inductance ?

Hi,

I'm no expert, but I may have an explanation. When you wind the torroid loosely, you leave space between the windings and the core (duh!). Air, being less permeable than the powdered iron in the torroid, allows some leakage of the flux; that is, not all magnetic lines of force go through all turns of the coil-- some leak out. Too bad e-mail doesn't allow pictures! This decreased coupling of one turn to the next accounts for the lower inductance, just when you thought it might lead to a higher inductance because your coil is bigger.

Try this, if you have some kind of inductance meter. Wind a big air coil- at least an inch in diameter. Stick a piece of ferrite rod (from an old am radio, for instance) in it and see how much the inductance changes. Not much, actually, and the bigger the coil, the less change. Now wind a coil just a tiny bit larger than the ferrite rod. Measure the inductance with and without the rod inside, and you will find that the percentage change in inductance is much greater with the smaller coil. Same phenomenon, I'm pretty sure.

BTW, hot melt glue works fine for securing torroids to boards. A lot of commercial boards that use that method.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle,
WA-----whom the gods would destroy, they first make proud

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: QLF%mimi@magic.itg.ti.com
Subject: [9751] re: TOROIDS - LOCKING DOWN

Message-ID: <9701241722.AA20024@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: TOROIDS - LOCKING DOWN

Good morning QRP'ers and QRP'ees - -

I used clear fingernail polish on the toroids in my Sierra to both hold them in place on the board and to hold the windings in place. This worked well, but I sure had an interesting (and somewhat scary) experience when coating the VFO toroid. I happened to have the receiver on listening to a CW QSO. I also had the bench counter connected to the output of the VFO, and when I put the polish on, the VFO went of into never never land, shifting nearly 30 kHz! This scared me somewhat because there isn't that much adjustment on the VFO trim cap. Watching the counter though, I could see the VFO slowly coming back. Over a period of 12 or more hours, as the polish cured, it came back pretty close to where it started. Anybody else ever see such an effect?

Tried working Nick, KFox2PHox, last night, but not sure if he ever got the complete exchange for a good QSO or not. He started out at 559, but quickly dropped down to the noise level or below. Chased him around the band, in and out of the noise, for nearly an hour but he never heard me again. Oh, well. We'll just keep trying.

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE	Electrical Design Engineer
(H) 817-321-2960	Texas Instruments, Inc.
(W) 214-462-6230	

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Fri Jan 24 18:01:39 1997

From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)

Subject: [9726] Re: [9646] Re: [9543] Re: Trolling for Ideas--SWR/Power meter

Message-ID: <199701240739.XAA03002@netcom2.netcom.com>

A very nice idea. It'll come out a lot smaller, and a little cheaper,

but not quite as neat and somewhat more work, but very flexible.
Actually, if I epoxy them together side to side, that'd fill in the
gap, and with a little fixture, the extra work would be pretty simple.

If someone wanted to go in on an order, I'd do it, but this is pretty good.
73, doug

Date: Thu, 23 Jan 1997 10:45:53 -0600
From: "Claton Cadmus" <aplitech@Spacestar.Net>

Why not buy individual rectangle LED's from Mouser, no min. order.
These look good for the purpose:
351-6212 Red .29ea
351-6213 Grn .32ea
351-6214 Yel .34ea

Little piece of Radio Shack experiment's board, bit o' solder and you are
done.
Looks like it might come out a bit smaller too.

From owner-qrp-l@Lehigh.EDU Fri Jan 24 18:01:39 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9689] Re: [9681] Backpacker Tuner design required
Message-ID: <199701240035.QAA04765@netcom3.netcom.com>

The Zmatch, available as a kit from W6EMT, roygregson@aol.com, can be
made very small, and is implicitly balanced, although you should check
out the article in the ARRL Antenna Compendium #5.

Roy's kit is far from the smallest you could make the unit, BTW.
If you used smaller knobs, smaller binding posts, and left off the
perhaps redundant BNC connector for the antenna, I suspect you could
put the whole thing in a cigarette case sized box.

Just my opinion.
73, doug